

|  <p>FORM PTO-1449</p> <p>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p> | | | | ATTY. DOCKET NO. I-1-0064.5US | | SERIAL NO. 10/757,222 | |
|---|--|-----------------|---------|----------------------------------|-------|--------------------------|-------------------------------|
| | | | | APPLICANT Kaewell et al. | | | |
| | | | | FILING DATE January 14, 2004 | | GROUP 2618 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | | 3,916,110 | 10/1975 | Lee et al. | | | |
| | | 3,978,292 | 08/1976 | Hill et al. | | | |
| | | 4,130,731 | 12/1978 | Bolgiano et al. | | | |
| | | 4,239,941 | 12/1980 | Gauthier et al. | | | |
| | | 4,272,650 | 06/1981 | Bolgiano et al. | | | |
| | | 4,273,964 | 06/1981 | Szpindel | | | |
| | | 4,317,963 | 03/1982 | Chea, Jr. | | | |
| | | 4,365,116 | 12/1982 | Pira et al. | | | |
| | | 4,436,960 | 3/1984 | Harmon, Jr. | | | |
| | | 4,436,960 | 03/1984 | Harmon, Jr. | | | |
| | | 4,477,697 | 10/1984 | Judd et al. | | | |
| | | 4,477,697 | 10/1984 | Judd et al. | | | |
| | | 4,477,697 | 10/1984 | Judd et al. | | | |
| | | 4,509,199 | 04/1985 | Ichihara | | | |
| | | 4,577,315 | 03/1986 | Otsuka | | | |
| | | 4,584,576 | 04/1986 | Forestier et al. | | | |
| | | 4,584,576 | 04/1986 | Forestier et al. | | | |
| | | 4,631,361 | 12/1986 | Miller | | | |
| | | 4,675,863 | 06/1987 | Paneth et al. | | | |
| | | 4,713,809 | 12/1987 | Mizota | | | |
| | | 4,731,814 | 03/1988 | Becker et al. | | | |
| | | 4,777,633 | 10/1988 | Fletcher et al. | | | |
| | | 4,794,649 | 12/1988 | Fujiwara | | | |
| | | 4,841,565 | 06/1989 | Siligoni et al. | | | |
| | | 4,866,766 | 12/1989 | Mitzlaff | | | |

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|----------------------------|-------------------------------|

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--|-----------------|---------|-----------------------|-------|----------|-------------------------------|
| | | 4,870,698 | 09/1989 | Katsuyama et al. | | | |
| | | 4,924,511 | 05/1990 | Burns et al. | | | |
| | | 4,942,600 | 07/1990 | Kaisha | | | |
| | | 4,962,527 | 10/1990 | Burns et al. | | | |
| | | 4,964,121 | 10/1990 | Moore | | | |
| | | 5,001,748 | 03/1991 | Burns et al. | | | |
| | | 5,008,900 | 04/1991 | Critchlow et al. | | | |
| | | 5,140,698 | 08/1992 | Toko | | | |
| | | 5,150,361 | 09/1992 | Wieczorek et al. | | | |
| | | 5,193,211 | 03/1993 | Nobusawa | | | |
| | | 5,193,212 | 03/1993 | Son | | | |
| | | 5,203,020 | 04/1993 | Sato et al. | | | |
| | | 5,241,542 | 08/1993 | Natarajan et al. | | | |
| | | 5,278,831 | 01/1994 | Mabay et al. | | | |
| | | 5,280,644 | 01/1994 | Vannatta et al. | | | |
| | | 5,287,555 | 02/1994 | Wilson et al. | | | |
| | | 5,303,420 | 04/1994 | Jang | | | |
| | | 5,323,456 | 06/1994 | Oprea | | | |
| | | 5,371,734 | 12/1994 | Fischer | | | |
| | | 5,392,287 | 02/1995 | Tiedemann, Jr. et al. | | | |
| | | 5,594,737 | 01/1997 | Pillekamp | | | |
| | | 5,594,737 | 01/1997 | Pillekamp | | | |
| | | 5,666,355 | 09/1997 | Huah et al. | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
| | | 58087923A | 05/1983 | JP | | | |
| | | 02280636A | 11/1990 | JP | | | |
| | | 6272238 | 1987 | JP | | | |
| | | 4315320 | 1992 | JP | | | |
| | | 4278757 | 1992 | JP | | | |
| | | 5316059 | 1993 | JP | | | |
| | | 697993 | 1994 | JP | | | |
| | | 7202789 | 1995 | JP | | | |
| | | 7321694 | 1995 | JP | | | |
| | | 819041 | 1996 | JP | | | |
| | | 0358166 | 03/1990 | EP | | | |
| | | 0452877 | 10/1991 | EP | | | |
| | | 0494459 | 07/1992 | EP | | | |
| | | 0358166 | 03/1990 | EP | | | |
| | * | 1079530 | 07/1995 | EP | | | |
| | | 94/10812 | 05/1994 | WO | | | |
| | | 93/06682 | 04/1993 | WO | | | |
| | | 94/10812 | 05/1994 | WO | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| | | Ultraphone PROD 3 Schematic Diagram, Drawing No. BE80002, Sheet 10 of 16, InterDigital Communications Corporation, May 20, 1992 | | | | | |
| | | Multiple-Line-Subscriber Quad-Line-Module (QLM) Schematic, Nexus Applied Research, Inc., 11/5/93 | | | | | |

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| | | FILING DATE January 14, 2004 | GROUP 2618 |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | |
| | | D.M. Beaupre, "Five Years of IDMA Subscriber Radio", pp. 375-379, IEE International Conference on Communications ICC '83, June 19-22, 1983, Boston, MA | |
| | | D.M. Beaupre et al., "A New Point to Multipoint Microwave Radio System", pp. 47-51, 6th International Symposium on Subscriber Loops and Services (ISSLS 84), Nice, 1-5 Oct. 1984 | |
| | | Richard E. Pavelka, "Ringling, Tone and Cadence Requirements for Nonswitched Loads in Digital Central Offices", Intelec '88,-Tenth International Telecommunications Energy, 30 October 1988 (1988-10-30), pages 326-333 | |
| | | Datasheet of the AMD AM79535 Subscriber Line Interface, issued by AMD July 1998 XP002200906 | |
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